
COMBINED DECLARATION AND POWER OF ATTORNEY(Original, Design, National Stage of PCT or CIP Application)

Inventors: Randy Dale Curry and Jeffry Golden

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are stated below next to my name, I believe I am the original, first and sole inventor (if only one name is listed above) or an original, first and joint inventor along with those listed above (if plural names are listed above) of the subject matter which is claimed and for which a patent is sought on the invention entitled: METHOD AND APPARATUS FOR PHOTSENSITIZED ULTRAVIOLET DECONTAMINATION OF SURFACES AND AEROSOL CLOUDS

the specification of which: (Complete (a), (b) or (c) for type of application)

REGULAR OR DESIGN APPLICATION(a) ☐ is attached hereto.(b) ☒ was filed on November 8, 1999 as Application Serial No. 09/436,058 and was amended on (if applicable).**PCT FILED APPLICATION ENTERING NATIONAL STAGE**(c) ☐ was described and claimed in International Application No. filed on and as amended on (if any).**ACKNOWLEDGEMENT OF REVIEW OF PAPERS AND DUTY OF CANDOR**

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations §1.56.

☐ In compliance with this duty there is attached an information disclosure statement.
37 CFR 1.97.

BEST AVAILABLE COPY

PRIORITY CLAIM

I hereby claim foreign priority benefits under Title 35, United States Code, §119 of any foreign application(s) for patent or inventor's certificate listed below and have also identified below any foreign application for patent or inventor's certificate having a filing date before that of the application on which priority is claimed.

[Complete (d) or (e)]

(d) ☐ no such applications have been filed.

(e) ☒ such applications have been filed as follows.

EARLIEST FOREIGN APPLICATION(S), IF ANY FILED WITHIN 12 MONTHS.
(6 MONTHS FOR DESIGN) PRIOR TO SAID APPLICATION

Country	Application No.	Date of filing (day, month, year)	Date of issue (day, month, year)	Priority (day, month, year)	Claimed
					<input type="checkbox"/> YES <input type="checkbox"/> NO
					<input type="checkbox"/> YES <input type="checkbox"/> NO

ALL FOREIGN APPLICATION(S), IF ANY FILED MORE THAN 12 MONTHS
(6 MONTHS FOR DESIGN) PRIOR TO SAID APPLICATION

CLAIM FOR BENEFIT OF PRIOR U.S. PROVISIONAL APPLICATION(S)

I hereby claim the benefit under Title 35, United States code, § 119(e) of any United States provisional application(s) listed below:

60/107,617	November 9, 1998
(Provisional Application Number)	(Filing Date)
(Provisional Application Number)	(Filing Date)
(Provisional Application Number)	(Filing Date)

BEST AVAILABLE COPY

CONTINUATION-IN-PART

(Complete this part only if this is a continuation-in-part application)

I hereby claim the benefit under Title 35, United States Code, §120 of any United States application(s) listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States application in the manner provided by the first paragraph of Title 35, United States Code, §112; I acknowledge the duty to disclose material information as defined in Title 37, Code of Federal Regulations, §1.56(a) which occurred between the filing date of the prior application and the national or PCT international filing date of this application.

(Application Serial No.)	(Filing Date)	(Status)	(Patent, pending, abandoned)
--------------------------	---------------	----------	------------------------------

(Application Serial No.)	(Filing Date)	(Status)	(Patent, pending, abandoned)
--------------------------	---------------	----------	------------------------------

POWER OF ATTORNEY

As a named inventor, I hereby appoint the following attorney and/or agent to prosecute this application and transact all business in the U.S. Patent and Trademark Office connected therewith, before all competent international authorities in connection with any international application, and before all foreign patent offices in connection with the national phase of any international application or any foreign application, and to appoint any associate attorneys in connection with any application, either domestic, international or foreign national.

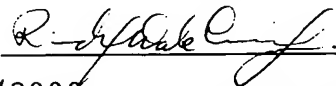
John M. Howell (25,261); Richard E. Haferkamp (29,072); Kenneth Solomon (31,427); Joseph M. Rolnicki (32,653); Joseph E. Walsh, Jr. (36,959); Alan H. Norman (32,285); Donald R. Holland (35,197); Bryan K. Wheelock (31,441); Charles E. Dunlap (35,124); Anthony G. Simon (40,813); Michael J. Thomas (39,857); Thomas A. Polcyn (41,256); Elie H. Gendloff (44,704)

Send Correspondence To
Bryan K. Wheelock
HOWELL & HAFERKAMP, L.C.
7733 Forsyth Boulevard
Suite 1400
St. Louis, Missouri 63105

Direct Telephone Calls To
Bryan K. Wheelock
(314) 727-5188

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor Randy Dale Curry

Inventor's signature 

Date 1/24/2000 Country of Citizenship US

Residence 1104 Merrill Court, Columbia, Missouri 65203

Post Office Address 1104 Merrill Court, Columbia, Missouri 65203

Full name of second inventor Jeffry Golden

Inventor's signature Dr Jeffry Golden

Date January 19, 2000 Country of Citizenship US

Residence 12612 Cedarbrook Lane, Laurel, Maryland 20708

Post Office Address 12612 Cedarbrook Lane, Laurel, Maryland 20708

**POWER OF ATTORNEY OR
AUTHORIZATION OF AGENT**

Application Number	09/436058
Filing Date	11/8/99
First Named Inventor	Curry et al.
Title	METHOD AND APPARATUS
Group Art Unit	2878
Examiner Name	NOT YET ASSIGNED
Attorney Docket Number	42173/29562

☒ Practitioners at Customer Number
OR

Alpha Crystallin
Wavelength Code
Label No. 21888

PATENT TRADEMARK OFFICE

☐ Practitioner(s) named below:

Name	Registration Number

Please change the correspondence address for the above-identified application to:

☐ The above-mentioned Customer Number

OR

☒ Practitioners at Customer Number

021888

Trade Dresser
Vendor Bar Code
Label Here
218888

~~PATENT TRADEMARK OFFICE~~

☐ Firm or Individual Name

Grant D. Kang

Address

Thompson Coburn LLP

Address

One Firststar Plaza

City

St. Louis

State

MO

Zip

63101

Country

USA

Telephone

314-552-6149

Fax

314-552-7149

I am the:

☐ Applicant/Inventor.

☐

Assignee of record of the entire interest. See 37 CFR 3.71.
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96).

(X) Copies of assignment...
DATE: 10/17/98
The ...

SIGNATURE of Applicant or Assignee of Record

Name

Clean Earth Technologies, LLC

Signature

Dr Jeffrey Feldman

Date _____

1-15-02

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below*.

☒ *Total of 1 forms are submitted.

Burden Hour Statement: This form is estimated to take 3 minutes to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

BEST AVAILABLE COPY

STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Clean Earth Technologies, LLC
 Application No./Patent No: 09/436,058 Filed/Issue Date: 11/08/99
METHOD AND APPARATUS FOR PHOTSENSITIZED ULTRAVIOLET
 Entitled: **DECONTAMINATION OF SURFACES AND AEROSOL CLOUDS**
Clean Earth Technologies, LLC, a Corporation
 (Name of Assignee) (Type of Assignee, e.g., corporation,
 partnership, university, government agency,
 etc.)

States that it is:

1. ☒ The assignee of the entire right, title, and interest; or
2. ☐ An assignee of less than the entire right, title and interest.
 The extent (by percentage) of its ownership interest is _____ %

in the patent/application identified above by virtue of either:

- A. ☒ An assignment from the inventor(s) of the patent/application identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 010570, Frame 0317, or for which a copy thereof is attached.
- OR
- B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:
1. From: _____
 To: _____
 The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
 2. From: _____
 To: _____
 The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
- ☐ Additional documents in the chain of title are listed on a supplemental sheet.

- ☒ Copies of assignments or other documents in the chain of title are attached.
 [NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

1-15-02
 Date

Jeffry Golden
 Typed or Printed Name

Dr. Jeffry Golden
 Signature

President
 Title



UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office
ASSISTANT SECRETARY AND COMMISSIONER
OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

APRIL 27, 2000

PTAS

HOWELL & HAFERKAMP, L.C.
BRYAN K. WHEELLOCK
7733 FORSYTH, SUITE 1400
ST. LOUIS, MISSOURI 63105



101278418A

UNITED STATES PATENT AND TRADEMARK OFFICE
NOTICE OF RECORDATION OF ASSIGNMENT DOCUMENT

THE ENCLOSED DOCUMENT HAS BEEN RECORDED BY THE ASSIGNMENT DIVISION OF THE U.S. PATENT AND TRADEMARK OFFICE. A COMPLETE MICROFILM COPY IS AVAILABLE AT THE ASSIGNMENT SEARCH ROOM ON THE REEL AND FRAME NUMBER REFERENCED BELOW.

PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 02/07/2000

REEL/FRAME: 010570/0317
NUMBER OF PAGES: 4

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

CURRY, RANDY DALE

DOC DATE: 01/24/2000

ASSIGNOR:

GOLDEN, JEFFRY

DOC DATE: 01/19/2000

ASSIGNEE:

CLEAR EARTH TECHNOLOGIES, LLC
1814 S. THIRD STREET
ST. LOUIS, MISSOURI 63104

SERIAL NUMBER: 09436058
PATENT NUMBER:

FILING DATE: 11/08/1999
ISSUE DATE:

HOWELL & HAFERKAMP, L.C.

RECEIVED

KIMBERLY WHITE, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS

MAY 05 2000



MAY 05 2000

03-01-2000

U.S. Department of Commerce
Patent and Trademark Office
PATENT

RECEIVED



101278418

OPR/FINANCE

RECORDATION FORM COVER SHEET
PATENTS ONLY

TO: The Commissioner of Patents and Trademarks: Please record the attached original document(s) or copy(ies).

Submission Type

- ☒ New
- ☐ Resubmission (Non-Recordation)
Document ID#
- ☐ Correction of PTO Error
Reel # Frame #
- ☐ Corrective Document
Reel # Frame #

Conveyance Type

- ☒ Assignment ☐ Security Agreement
- ☐ License ☐ Change of Name
- ☐ Merger ☐ Other
- U.S. Government**
(For Use ONLY by U.S. Government Agencies)
- ☐ Departmental File ☐ Secret File

Conveying Party(ies)

☐ Mark if additional names of conveying parties attached

Execution Date
Month Day Year

Name (line 1) Randy Dale Curry

1/24/2000

Name (line 2)

Second Party

Execution Date
Month Day Year

Name (line 1) Jeffry Golden

1/19/2000

Name (line 2)

Receiving Party

☐ Mark if additional names of receiving parties attached

☐ If document to be recorded is an assignment and the receiving party is not domiciled in the United States, an appointment of a domestic representative is attached. (Designation must be a separate document from Assignment.)

Name (line 1) Clean Earth Technologies, LLC

Name (line 2)

Address (line 1) 1814 S. Third Street

Address (line 2)

Address (line 3) St. Louis

City

Missouri

State/Country

63104

Zip Code

Domestic Representative Name and Address

Enter for the first Receiving Party only.

Name

Address (line 1)

Address (line 2)

Address (line 3)

Address (line 4)

FOR OFFICE USE ONLY

02/29/2000 DNGUYEN 00000226 09436058

01 FG:581

40.00 OP

Public burden reporting for this collection of information is estimated to average approximately 30 minutes per Cover Sheet to be recorded, including time for reviewing the document and gathering the data needed to complete the Cover Sheet. Send comments regarding this burden estimate to the U.S. Patent and Trademark Office, Chief Information Officer, Washington, D.C. 20231 and to the Office of Information and Regulatory Affairs, Office of Management and Budget, Paperwork Reduction Project (0651-0027), Washington, D.C. 20503. See OMB Information Collection Budget Package 0651-0027, Patent and Trademark Assignment Practice. DO NOT SEND REQUESTS TO RECORD ASSIGNMENT DOCUMENTS TO THIS ADDRESS.

Mail documents to be recorded with required cover sheet(s) information to:
Commissioner of Patents and Trademarks, Box Assignments, Washington, D.C. 20231

Correspondent Name and Address Area Code and Telephone Number **(314) 727-5188**

Name **Bryan K. Wheelock**

Address (line 1) **Howell & Haferkamp, L.C.**

Address (line 2) **7733 Forsyth, Suite 1400**

Address (line 3) **St. Louis, Missouri 63105**

Address (line 4)

Pages Enter the total number of pages of the attached conveyance document including any attachments. # **2**

Application Number(s) or Patent Number(s) ☐ Mark if additional numbers attached

Enter either the Patent Application Number or the Patent Number (DO NOT ENTER BOTH numbers for the same property).

Patent Application Number(s)

Patent Number(s)

09/436,058						

If this document is being filed together with a new Patent Application, enter the date the patent application was signed by the first named executing inventor. Month Day Year

Patent Cooperation Treaty (PCT)

Enter PCT application number only if a U.S. Application Number has not been assigned.

PCT PCT PCT
PCT PCT PCT

Number of Properties Enter the total number of properties involved. # **1**

Fee Amount Fee Amount for Properties Listed (37 CFR 3.41): \$ **40.00**

Method of Payment:
Deposit Account

Enclosed ☒ Deposit Account ☐

(Enter for payment by deposit account or if additional fees can be charged to the account.)

Deposit Account Number: # **18-1829**

Authorization to charge additional fees: Yes ☒ No ☐

Statement and Signature

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document. Charges to deposit account are authorized, as indicated herein.

Bryan K. Wheelock

Name of Person Signing

Signature

1 FEBRUARY 2000

Date

PATENT

ASSIGNMENT

WHEREAS, we, Randy Dale Curry of 1104 Merrill Court, Columbia, Missouri 65203 and Jeffry Golden of 12612 Cedarbrook Lane, Laurel, Maryland 20708, have invented certain new and useful improvements for a *METHOD AND APPARATUS FOR PHOTSENSITIZED ULTRAVIOLET DECONTAMINATION OF SURFACES AND AEROSOL CLOUDS* for which we executed an application for Letters Patent in the United States identifying us as the only inventors thereof said application being assigned serial number 09/436,058 by the U.S. Patent and Trademark Office and identified as Howell & Haferkamp, L.C., Docket 16582-1869; and

WHEREAS, Clean Earth Technologies, LLC, a corporation of the State of Missouri having its principal office and place of business at 1814 S. Third Street, St. Louis, Missouri 63104, is desirous of acquiring the entire right, title and interest in and to said invention and improvements as disclosed in said application, in and to said application, and in and to the patent to be obtained thereon.

NOW THEREFORE, in consideration of the sum of One Dollar (\$1.00) to us in hand paid, and other good and valuable consideration, the receipt and adequacy of all of which are hereby acknowledged, we, Randy Dale Curry and Jeffry Golden, have sold, assigned and transferred and do hereby sell, assign and transfer unto said Clean Earth Technologies, LLC, its successors or assigns, the entire right, title and interest in and to said invention and improvements as the same are disclosed in said application which was executed by us, in and to said application, and in and to any Letters Patent, including divisionals, continuations, reissues, reexaminations and extensions to be obtained therefor in the United States and all foreign countries; and we further agree to cooperate with the assignee hereunder in the obtaining and sustaining of any and all such Letters Patent as the assignee may desire to apply for, but at the expense of said assignee.

The Commissioner of Patents or other proper official is hereby authorized and requested to issue said Letters Patent to said Clean Earth Technologies, LLC in accordance with this Assignment.

Randy Dale Curry
Randy Dale Curry

STATE OF

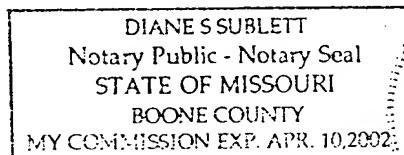
COUNTY OF

On this 24th day of January, ~~1999~~ ²⁰⁰⁰ before me, a Notary Public, within and for the County of Boone, State of Missouri, personally appeared Randy Dale Curry, to me known to be the person described in and who executed the foregoing assignment and acknowledged that he executed same as his free act and deed.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal the date and year last above written.

Diane S. Sublett
Notary Public

My Commission Expires: April 10, 2002



Jeffry Golden
Jeffry Golden

STATE OF

COUNTY OF

Maryland
Prince George's
On this 19th day of January, ~~1999~~ ²⁰⁰⁰ before me, a Notary Public, within and for the County of Prince George's, State of Maryland, personally appeared Jeffry Golden, to me known to be the person described in and who executed the foregoing assignment and acknowledged that he executed same as his free act and deed.

IN TESTIMONY WHEREOF, I have hereunto set my hand and seal the date and year last above written.

Mary Lou McKenna
Notary Public

My Commission Expires: Dec. 1, 2001